

**HUNTERS POINT NAVAL SHIPYARD
BASE REALIGNMENT AND CLOSURE CLEANUP TEAM
MEETING MINUTES**

December 6, 2012

These minutes summarize the meeting of the Hunters Point Naval Shipyard (HPNS) Base Realignment and Closure (BRAC) Cleanup Team (BCT) held on December 6, 2012 at CH2M HILL's office in Oakland, California. Participants in the meeting included the BCT, which is made up of representatives from the U.S. Navy (Navy), the U.S. Environmental Protection Agency (USEPA), the California Department of Toxic Substances Control (DTSC), and the San Francisco Bay Regional Water Quality Control Board (Water Board). The City of San Francisco (City), its consultants, the Lennar team of developers, and Navy consultants also attended the meeting. These minutes describe the key points, decisions, and action items agreed to at the meeting. A list of attendees is included as Attachment A. The document review table is included as Attachment B. Action items from the meeting are included as Attachment C.

1.0 Navy Business/Action Items (Keith Forman, Navy)

Keith Forman (Navy) began the meeting with introductions. Ross Steenson and Tina Low (Water Board), Craig Cooper (USEPA), and Ryan Miya (DTSC) were present to represent the regulatory agencies involved on the project. Mr. Forman started the meeting by indicating the November action items have been completed.

Mr. Forman asked the regulators if they would accept a draft record of decision (ROD), then an over-the-shoulder review of the revisions, and then allow the Navy to issue the final ROD for Parcels E and UC-3. Normally, the Navy issues a draft final; however, they would like to expedite the schedule for this document. Mr. Miya asked if there would be additional time built in for the BCT signatories since he cannot submit a draft document to his management for review. Mr. Forman noted that they were not planning on giving the regulators additional time but that acceptance of the responses to comments (RTCs) would be a collaborative effort. Mr. Forman added that the proposed plan (PP) for Parcel E has not received many regulatory comments at this point. Mr. Cooper asked if the ROD would have redline strikeout of the text once the RTCs are incorporated. Mr. Forman agreed that they would present the ROD in such a manner.

Melanie Kito (Navy) asked Amy Brownell (City) if they would be talking about license exemptions with the California Department of Public Health (CDPH) at their meeting. Ms. Brownell responded that this is only an initial meeting with CDPH and they likely would not discuss the licenses until later. Ms. Kito is going to send Ms. Brownell language that the Navy has pulled from the CDPH guidance documents regarding license exemptions. Ms. Brownell will also ask CDPH about the free release letter that needs to be readdressed to Mr. Forman and not Chris Yantos (Navy).

2.0 Radiological Update (Keith Forman, Navy)

The Navy is meeting with CDPH on December 19, 2012, which is when CDPH will potentially conduct six confirmation surveys at HPNS in one day.

The remaining work on Parcel C for Phase I includes additional field work at the North Pier area. The Navy is currently waiting on the results of Final Status Survey (FSS) samples collected in five survey units.

The field work at the Parcel E 500 Series is complete. The internal draft FSS for Buildings 503, 506, 507, and 508 is under review. The Navy is currently preparing responses to regulatory comments on the former Building Sites 510/510A and awaiting CDPH comments on the former Building Site 520. The final FSS for Buildings 500, 509, 510/510A, 521, and 529 is being prepared. Field work remains at former Building Site 517 and Former Shacks 79/80.

In the Parcel E 500 Area, the Navy is installing a drainage channel adjacent to Building 606. Mr. Cooper asked about the storm water management at HPNS in light of recent storms in the area. Ms. Kito noted that while there are areas of ponding on HPNS, the Navy will not be spending any more money on building storm water drains. The ponding areas appear to be associated with areas around Parcel G. The proposed work at Parcel G will include utilizing the existing drainage swales on the parcel which should help with the ponding on the base. Mr. Cooper asked if there were any new areas of ponding that could be located on a contaminated site. Mr. Kito responded that they have only seen ponding in the usual locations and these are locations without groundwater contamination problems. Mr. Cooper asked if the groundwater team could let the agencies know if they see abnormal groundwater conditions due to the recent storms. Ms. Kito added that some of the asbestos-containing pipe insulation has become waterlogged and fallen from the ceiling in some of the buildings; therefore, the groundwater team should not sample wells if insulation is present near their well head because it is a health and safety issue. Mr. Cooper asked about the turbidity of the ponding water. The Navy responded that ponds near paved roads have very low turbidity but sites near gravel and dirt areas have higher turbidity. The Navy noted that the entire base surface is like a depression and therefore, the ponded water is not leaving the site.

The Navy is continuing the surveys, sampling, and remediation activities within the Building 500 Series, Building 517, and Building 79/80. CDPH will be conducting confirmation surveys at Buildings 500 and 521 on December 19, 2012. In the Building 707 Triangle Area, the Navy has completed 22 of 23 survey units.

The Parcel C Phase II storm drain and sanitary sewer removals have begun and 319 linear feet have been removed. There are 14,305 linear feet remaining that will also be removed under the current contract. The internal draft sampling plan for Ship Berths 1 through 5 is under Navy review.

Currently, the internal draft execution and health and safety plans for Buildings 253 and 211 are under Navy review. Limited building clean-up activities will begin after approval of the health and safety plan. The Navy will not issue the draft execution plan and health and safety plan for the buildings since the regulators have already approved these plans for other buildings on

HPNS. The documents are being reissued because the sampling is being done under a new contract. The sampling plans for buildings are not typically reviewed by the regulators; however, the Navy will send a copy of the sampling plan for regulatory review because these buildings are considered high-profile. Ms. Kito noted that even though there is no cleanup associated with these buildings, the Navy may be able to remove some piping within the building based on how the contracting vehicle is setup.

The radiological survey and sampling work at the Gun Mole Pier and South Pier in Parcel D-1 was completed in October 2012. The Navy is currently reviewing laboratory and scan data. The FSS reports for both the Gun Mole Pier and South Pier are planned for agency submittal in January 2013.

The draft FSS reports for the Building 383 Area and the Building 313, 313A, and 322 sites are planned for December 2012. The Building 274 final FSS report was submitted on October 10, 2012 and the Navy is awaiting the CDPH confirmatory survey on the building.

3.0 Parcel E Technical Memorandum Soil Excavation Characterization (Keith Forman, Navy)

The Parcel E feasibility study (FS) identified historic detections of chemicals of concern (COCs) in soil at concentrations above the remedial goal (RG). The COCs include metals, semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, and total petroleum hydrocarbons (TPH). The hot spots were not fully delineated horizontally or vertically. Hot spots are defined as either Tier 1 (>10 times the RG) or Tier II (>5 times the RG). The goal of the investigation is to define the hot spots and recommend the volume of soil to be removed at each hot spot. The purpose of the soil characterization is to eventually present this data in the ROD or remedial design (RD) and be the basis for a removal action.

Sampling at Parcel E was performed in September and October 2012. The Navy collected and analyzed 283 soil samples at depths ranging from 1.5 to 9.5 feet below ground surface (bgs). Some of the challenges encountered in the field include the adjustment of sample locations or sample refusal because of subsurface obstructions, physical constraints, or working near the radiological screen area. Nine hot spot samples could not be collected from the shoreline area. There were no reported health or safety issues during the project.

The technical memorandum (TM) will summarize the activities completed and will present analytical data, figures of delineated hot spots, a summary of sample points or physical constraints used to define each hot spot, and the quantity of soil recommended for removal from each hot spot. The draft TM will be submitted to the BCT for review on January 8, 2013. Mr. Cooper noted that since this TM will increase the amount of total soil removed from the site, this information should be documented in the ROD.

4.0 Parcel E Groundwater Treatability Study Additional Excavation (Melanie Kito, Navy)

Ms. Kito stated that the Navy has completed the field activities for the original scope of the groundwater treatability study (GWTS) on Parcel E. The volatile organic compounds (VOC) plume characterization work was completed in November 2009 and the final GWTS technical

report was submitted in May 2011. Soil vapor data has indicated a potential vadose-zone source for trichloroethylene (TCE) at Installation Restoration Site 04 (IR-04) and IR-36. The additional investigation field work to evaluate this potential source was completed in September 2012.

The current investigation included soil vapor sampling, advancement of membrane interface probes (MIPs), advancement of soil borings, and collection of soil and groundwater samples. The sampling was conducted using a 25-foot grid system. Mr. Miya asked if there is continued groundwater monitoring in this area. Ms. Kito responded that this area is included in the basewide groundwater monitoring program and is being monitored post-treatment for three years. The Navy presented figures showing the results of the investigation in IR-04 and results from the MIP investigation. The MIP investigation identified grain sizes of soil in the subsurface and indicated a fine grain layer near the surface (3 to 6 feet bgs) where most of the contamination would be expected to occur. This layer is causing the elevated concentrations of soil vapor in this area. Mr. Miya asked if there would be excavation in this area. The remedy for this area will likely be more fully vetted in the remedial design phase.

At IR-36, soil vapor concentrations continued to be high while groundwater concentrations in this area are low. The Navy's consultants believe that due to the dense clay material in the subsurface there were some areas successfully treated by zero-valent iron (ZVI), but that the ZVI was unable to reach some of the other pockets of groundwater contamination in the area. Mr. Miya asked if they are finding soil contamination in areas that were previously impacted by the groundwater plume. He wants to know if there were multiple source areas in this location. The Navy contractors believe that there may have been multiple small volume source areas at this location but the release history in this area is unknown.

The three areas of highest vadose-zone MIP response included the outside southeast corner of Building 406, as well as inside the southeast corner and the west end of Building 406. Depth of the highest response was generally observed between 3 and 5 feet bgs. The highest TCE concentrations in the vadose-zone soil in each of these areas were 17 milligrams per kilogram (mg/kg) outside the southeast corner, 14 mg/kg inside the southeast corner, and 7.9 mg/kg inside the west end of Building 406.

At IR-36, the highest MIP concentrations generally coincided with a zone that contained a greater portion of fine-grained particles than the surrounding soil. The TCE detected in the vadose-zone soil is likely a significant contributor (relative to TCE in groundwater) to the TCE detected in soil vapor in the area. Zones of relatively high chlorinated VOC concentrations in groundwater are present outside the northwest corner of Building 406 where ZVI was injected. Migration of chlorinated VOCs in these zones is attenuated by a combination of the low permeability of the Bay Mud unit, anaerobic degradation, and degradation due to contact with the ZVI that was placed in fractures created during the injection process.

The draft technical report addendum will be submitted to the BCT on December 20, 2012 with the final to follow on March 6, 2013.

5.0 Parcel B Remedial Action Update (Lara Urizar, Navy)

Lara Urizar (Navy) gave a presentation updating the BCT on the progress of the Parcel B remedial action. The objectives of the remedial action are to prevent exposure to subsurface soil by installing nearly 2,000 feet of shoreline revetment along San Francisco Bay, a vegetated soil cover over the slopes along the western edge of Parcel B, and new asphalt pavement over nearly 40 acres that is currently paved. Additionally, existing building foundations will be restored. The remedial action will address future soil vapor intrusion risks at IR-10 by installing and operating an active soil vapor extraction system and injecting polylactate into groundwater to promote cleanup of the groundwater by bacteria. Ms. Urizar summarized the activities that have been completed to date which include site mobilization, installation of signage and fencing, utility location activities, deployment of a turbidity curtain, and health and safety briefings. The construction of the shoreline revetment began in mid-November and will continue during low tide conditions. The Navy has removed the shoreline debris and has currently constructed 500 linear feet of the revetment.

The IR-10 polylactate injection plan was slightly revised pertaining to the injection volumes, injectate makeup, and spacing of injection points. They have also added a hydrogen release compound (HRC) primer that will be used before the polylactate injection. A TM describing the injection revisions will be submitted to the BCT in early December 2012. The injections are planned for January 2013.

The Navy noted that the SVE system is considered exempt from reporting requirements by the Bay Area Air Quality Management District because of the low-level contaminant concentrations in soil vapor and historical emissions. The Navy will still treat emissions and monitor the influent, mid-system, and emissions in accordance with the RD and will submit reports of their findings to the regulatory agencies.

The Navy discovered petroleum contamination in the shoreline sediment on November 13, 2012 near IR-26. A vitrified petroleum lens was identified at approximately 3 feet bgs during the excavation activities. The lens was 10 feet in width across the face of the excavation. The Navy proceeded with the excavation because this lens was above the water line and not impacting groundwater or San Francisco Bay. While excavating the revetment slope at lower elevations, a petroleum hydrocarbon material (product and contaminated soil) with a strong diesel odor was discovered. The contamination appeared to be present slightly below and above mean sea level. Contaminated soil and free product were visible in the excavated soil and along the entire 20-foot-wide excavation. An oily sheen was observed on the water trapped within the excavation and petroleum product was observed leaching from the sidewall of the excavation.

Upon discovery of this oily sheen and leaching product, the Navy notified the appropriate regulators and deployed a hydrocarbon boom around the toe of the excavation to prevent leached product from migrating into San Francisco Bay. Contaminated soil was removed and stockpiled nearby. The excavation sidewall was lined with geotextile material and filter rock. Eight samples of the contaminated stockpile soil were sent for laboratory analysis and the hydrocarbon boom was extended to the entire length of the existing silt curtain. The laboratory results indicated that the petroleum concentrations met the HPNS backfill acceptance criteria. The draft remedial

action completion report is due to the BCT after construction is complete in December 2013, with the final to follow in March 2014.

6.0 Parcel B TPH Combined Sites (Lara Urizar, Navy)

Ms. Urizar noted that the TPH investigation in Parcel B along the shoreline has now dovetailed into the Parcel B remedial action because of the TPH found during the revetment wall excavation. The TPH history at Parcel B includes large-scale removal actions conducted from 1999 through 2001 and again in 2004. Petroleum impacts have been identified in soils deeper than 10 feet bgs at the site, especially at monitoring well location IR24MW28A. This well was the closest to the Quay Wall Gap; however, the Navy was unable to sample the area between the well and the quay wall due to safety considerations for onsite workers from deterioration of the deck above the quay wall. In 2011, Piers B and C were removed along with the quay wall deck making the area accessible to further subsurface work.

Extension of the shoreline revetment wall to the Building 130 area in response to the removal of Piers B and C will address regulator concerns about long-term stability of the shoreline adjacent to deep TPH-impacted soil at the combined site area. Additional deep soil data were needed to fully characterize residual hydrocarbon concentrations in soils that will be disturbed by construction of the revetment so that an inadvertent release of impacted soils to San Francisco Bay could be prevented by properly managing the activities.

The deep soil data gap investigation was conducted on September 18 through 20, 2012 when eight soil borings were advanced adjacent to the quay wall. Seven soil samples were collected from each boring at depths of 10 to 30 feet bgs. Preliminary results indicate that total TPH was above the source criterion in two of the 56 samples. Both samples were collected at 12.5 to 13 feet bgs from locations IR24B31 and IR24B32 near the southeast end of the quay wall. Visible light non-aqueous phase liquid (LNAPL) was observed in boring IR24B32.

The investigation identified LNAPL in the vicinity of the southeastern end of the quay wall. This residual LNAPL did not appear to extend to sediment below the approximate mean sea level or southeast of boring IR24B33. The impacted area delineated by IR24B31 and IR24B32 extends to a depth of approximately 18 feet bgs. Additional investigation is needed to fully delineate the extent of non-aqueous phase liquid (NAPL) in the near-shore sediments, and to determine the probable path of migration. Additional soil/sediment data will be required to evaluate possible remedial responses to the presence of NAPL-contaminated sediments.

The Navy noted that they will need to figure out which of their current contracts can be used for further TPH evaluation in the Parcel B shoreline area. The regulators asked the Navy about a possible TPH source in this area. The BCT members noted that historic fuel pipelines ran parallel to the shoreline in this area and may have been a potential source.

The internal draft data gap summary report will be submitted to the BCT on January 14, 2013 with a final to follow in February 2013.

7.0 Parcel E IR-03 Pilot Study (Melanie Kito, Navy)

The IR-03 pilot study is intended to evaluate technologies that mitigate mobile NAPL and prevent contamination from migrating into San Francisco Bay. This pilot study will include both thermal enhancement and mass stabilization technologies. These technologies are complementary and are being used now to evaluate if they will be effective at the site. Both technologies were chosen based on the results of a treatability study that was done in the area. The heating technology will extract and treat all mobile NAPL within the target treatment zone and the mass stabilization technology will reduce LNAPL mobility by reducing permeability and contaminant leachability within the target treatment zone.

Mr. Cooper noted that the Navy should conduct another review of the best technologies available for this site to ensure that a new or emerging technology is not better suited for this site. The Navy noted that the technology used at the site will likely be a hybrid of the two treatments described today. The Navy added that if a new emerging technology exists that the Navy has not yet considered, then they would like to hear about it. Ms. Urizar added that when this proposal went out to subcontractors to bid on this project, each subcontractor independently researched and proposed the technology that they thought would be most effective.

The in-situ thermal remediation will include 62 heating wells, 20 multiphase extraction wells, three vacuum extraction wells, eight reinjection wells, nine monitoring points, and 15 pressure monitoring points. The pre-design characterization of the site will include investigating the hydraulic gradient as well as the NAPL gradient and tidal influences in the area, evaluating the effectiveness of the sheet pile wall, and performing a detailed characterization of the NAPL. The Navy will also investigate the hydraulic conductivities and their correlation with NAPL saturation, investigate key geochemical parameters, and conduct a bench scale study to determine the optimal in-situ stabilization mixture.

The Navy will have a working meeting with the regulators on January 8, 2013. The draft work plan will be submitted to the BCT on January 21, 2013 and the field work will begin in March 2013. The final in-situ thermal remediation design will be submitted to the BCT in June 2013 with the field work to follow in July 2013.

8.0 Transfer Schedule Update (Melanie Kito, Navy)

Ms. Kito noted that the Parcel G remedial action work plan would not be submitted until December because some regulator comments on the draft document were received late. The biggest issues identified in the regulator comments concerned the drainage swales and recycled road base.

9.0 Community Involvement Update (Matt Robinson, Community Involvement Manager)

Mr. Robinson noted that November achievements for the community involvement program included the initial efforts for Community Involvement Plan (CIP) update. The draft community survey questions were reviewed during the previous BCT meeting and the survey questions were revised based on regulator feedback. The outreach team prepared for the December community meeting by developing a virtual bus tour video, the annual fact sheet, and the community

meeting presentation. The community meeting notice was distributed in English and Spanish and the meeting was advertised in local newspapers. The outreach team also scheduled a presentation for the Malcolm X Middle School PTA on January 31, 2013.

December achievements included the community meeting on December 5, 2012 where the virtual bus tour was shown and the Quarterly Progress Update and Annual Factsheet were distributed.

December goals and objectives include development of the 2013 events calendar, finalization of the community survey questions, and updating the relevant sections of the 2011 CIP. The Navy will send the regulators the beta version of the community survey so they can experiment with it electronically. Any comments should be sent to Mr. Robinson.

Martha Walters (ArcEcology) noted that she would like the Navy to consider instituting the Restoration Advisory Board (RAB) on a quarterly basis. Mr. Forman asked what the failures of the current community meetings are that would be solved by reinstituting the RAB. She thinks that the RAB could help inform the community of the technical components of the work being done. Mr. Forman noted that they had a technical sub-committee when they used to have the RAB and on three separate occasions, the Navy flew up to San Francisco for those sub-committee meetings and nobody showed up. Furthermore, this sub-committee had extremely low attendance over eight years it existed. Ms. Kito noted that by the time a RAB gets reconstituted all of the parcel RODs will be in place except for Parcel F. Currently the community meetings are serving the function of informing the community about the activities on HPNS. Ms. Walters stated that the Navy could hand-pick the people from the community who are interested and would attend technical meetings. Mr. Cooper noted that a RAB member cannot be hand-picked by the Navy and generally the RAB is chosen by the community. Mr. Forman added that the Navy is open to changing the structure of the current community meetings but he needs suggestions from the regulators on what they would like to see. Ms. Urizar also added that the old RAB would vote the Navy presentation off the agenda so that no new information was presented. Mr. Forman noted that he will personally reach out to the community members that Ms. Walters has identified and see if they would like to have a smaller technical meeting with the Navy.

Mr. Cooper added that if the Navy is changing the ROD document versions from draft, draft final and final to just draft and final, then this change needs to be reflected in the CIP update.

10.0 Action Items/Future Meetings (Keith Forman, Navy)

- The Navy will update the BCT members concerning the document submittal schedule for the upcoming IR-03 work plan documents.
- The Navy will revise the ROD document versions in the 2013 Community Involvement Plan Update concerning the preparation of only draft and final ROD documents.
- The next BCT meeting will be held on January 24, 2013 at the Navy's BRAC offices in San Diego, California. Action items are included as Attachment C.

ATTACHMENT A

HUNTERS POINT NAVAL SHIPYARD MEETING ATTENDANCE SHEET

Topic: BCT Meeting
Location: CH2M HILL
155 Grand Avenue
Oakland, CA
Date/Time: December 6, 2012/9:00 a.m.

Organization	Name	Phone Number	E-Mail Address	Present
Navy	Keith Forman	619-532-0913	keith.s.forman@navy.mil	X
	Melanie Kito	619-532-0787	melanie.kito@navy.mil	X
	Lara Urizar	619-532-0960	lara.urizar.ctr@navy.mil	X
	Hamide Kayaci	619-532-0930	hamide.kayaci.ctr@navy.mil	X
	Chris Yantos	619-532-0952	christopher.yantos.ctr@navy.mil	X
	Simon Loli	619-532-0782	simon.loli.ctr@navy.mil	X
	Laurie Lowman	757-887-7650	laurie.lowman@navy.mil	
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	Chantry Davis	619-532-0904	william.c.davis9@navy.mil	X
	Danielle Janda	619-532-0796	danielle.janda@navy.mil	X
USEPA	Craig Cooper	415-947-4148	cooper.craig@epa.gov	X
	Jackie Lane	415-972-3236	lane.jackie@epa.gov	
DTSC	Ryan Miya	510-540-3775	rmiya@dtsc.gov	X
Water Board	Ross Steenson	510-622-2445	rsteenson@waterboards.ca.gov	X

Organization	Name	Phone Number	E-Mail Address	Present
	Tina Low	510-622-5682	tlow@waterboards.ca.gov	X
CDPH	Jeff Wong	510-620-3423	jeff.wong@cdph.ca.gov	
	Tracy Jue	916-324-4808	tracy.jue@cdph.ca.gov	
	Kurt Jackson			
	Larry Morgan			
	Roger Lupo			
CDFG	Charlie Huang			
	Tami Nakahara			
City of SF	Amy Brownell	415-252-3967	amy.brownell@sfdph.org	X
Treadwell and Rollo/Langan	Sigrida Reinis	415-955-9040	sreinis@langan.com	X
	Dorinda Shipman	415-955-5262	dshipman@langan.com	
	Christopher Glenn	510-974-7074	cglenn@langan.com	
Geosyntec	Jeff Austin	415-218-0027	jasustin@geosyntec.com	X
BVHP/Lennar	Steve Rottenborn	408-458-3205	srottenborn@harveyecology.com	
Tech Law Inc., <i>USEPA contractor</i>	Karla Brasaemle	415-762-0566	kbrasaemle@techlawinc.com	X
	Mary Snow			
	Mark Pantoja	415-762-0565	mpantoja@techlawinc.com	
Arc Ecology	Martha Walters		rosewalt@aol.com	X
BCDC	Rafael Montes	415-352-3670	rafaelm@bcdcc.ca.gov	
<i>Navy Contractors</i>				
Tetra Tech EM, Inc.	Tim Mower	313-312-8874	tim.mower@ttemi.com	X

Organization	Name	Phone Number	E-Mail Address	Present
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	Steve Pierce			

Organization	Name	Phone Number	E-Mail Address	Present
Battelle	John Hardin	619-574-4827	hardinj@battelle.org	
AMEC	Alfonso Ang	415-278-2108	alfonso.ang@amec.com	
	Jeff Fenton	707-793-3832	jeffery.fenton@amec.com	
	Ray Hendry	303-807-4421		
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Cabrera/Insight	Mitra Fattahipour		MFattahipour@ieeci.com	X

ATTACHMENT B

HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

December 6, 2012

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
Documents Historically Reviewed									
1	C	Final Survey Unit Project Reports for Survey Units 202, 203, 205 and 206	8/15/12	n/a					
2	B, D-1, G and UC-2	Replacement Cover Page for Final Technical Memorandum for Monitoring Program Optimization	8/17/12	n/a					
3	C	Final Survey Unit Project Reports for Survey Units 207, 208, 209, and 211	8/21/12	n/a					
4	B	Draft Operation and Maintenance Plan for Installation Restoration Sites 07 and 18	8/24/12	9/24/12				9/5/12	9/30/12
5	C	Final Survey Unit Project Reports for Survey Units 210, 212, 219, and 220	8/24/12	n/a					
6	E/E-2	Letter Documenting Boundary Change Between Parcels E and E-2	8/28/12	n/a					
7	E	Final Radiological Addendum to the FS	8/31/12	n/a					
8	E	Final Feasibility Study Report	8/31/12	n/a					
9	B, D-1, G and UC-2	Revised Draft Technical Memorandum Soil Vapor Investigation in Support of Vapor Intrusion Assessment	8/31/12	9/28/12			9/28/12	10/2/12	10/2/12
Document Review Period Recently Completed									
1	B	Draft Remedial Action Work Plan for Parcel B (Excluding IR Sites 7/18)	9/4/12	10/4/12			10/4/12	10/2/12	10/4/12

ATTACHMENT B

HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

December 6, 2012

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
2	C	Draft Survey Unit Project Reports for Survey Units 244, 247, 302, 303, and 304	9/5/12	10/5/12			10/5/12		
3	C	Final Survey Unit Project Reports for Survey Units 233, 234, 237, and 239	9/7/12	n/a					
4	E	Draft Survey Unit Project Reports for Survey Units 225, 229, 230, and 235	9/12/12	10/12/12			10/9/12		
5	B	Draft FOST for Parcel B - IR Sites 7 and 18	9/14/12	10/15/12		10/12/12	10/16/12	10/3/12	10/16/12
6	G	Draft Remedial Action Work Plan	9/14/12	10/29/12		10/30/12	10/30/12	10/31/12	10/30/12
7	E	Draft Survey Unit Project Reports for Survey Units 228, 240, 241, and 245	9/14/12	10/15/12			10/10/12		
8	D-1	Final Work Package 101, Survey Units 264, 267, 274, 276, and 277	9/17/12	n/a					
9	C	Final Survey Unit Project Reports for Survey Units 213, 221, 226, and 231	9/18/12	n/a					
10	D-1	Final Work Package 102, Survey Units 250, 251, 272, 273, and 275	9/19/12	n/a					
11	C	Final Survey Unit Project Reports for Survey Units 192, 194, 227, and 232	9/20/12	n/a					
12	E-2	Draft Final ROD	9/24/12	10/26/12		10/11/12		10/26/12	
13	E	Draft IR 03 Treatability Study Report	9/24/12	10/24/12	Water Board 10-day review extension	10/23/12	10/25/12	11/8/12	10/25/12

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HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

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Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
14	D-1	Final Work Package 103, Survey Units 252, 257, 259, 261, and 278	9/26/12	n/a					
15	D-1	Final Work Package 104, Survey Units 258, 260, 263, 268, and 269	9/27/12	n/a					
16	Basewide	Final Federal Facilities Agreement Schedule For Fiscal Year 2013	9/27/12	n/a					
17	B	Final Design Amendment Parcel B (Excluding IR 7/18)	9/28/12	n/a					
18	Basewide	Groundwater Monitoring Report (October 2011-June2012)	10/1/12	n/a		11/20/12			
19	E	Final Survey Unit Project Reports for Survey Units 214, 215, 216, and 217	10/3/12	n/a					
20	E	Final Survey Unit Project Reports for Survey Units 218, 222, 223, and 224	10/4/12	n/a					
21	B	Annual Operation and Maintenance Report for Installation Restoration Sites 07 and 18	10/5/12	n/a					
22	D-1	Final, Final Status Survey Results, Building 274	10/8/12	11/9/12					
23	C	Final Remedial Design and Design Basis Report	10/9/12	n/a					
24	E	Final, Final Status Survey Results, Building 500	10/9/12	11/9/12					
25	E-2	Draft Technical Memorandum for the Geotechnical Investigation	10/22/12	11/21/12		11/21/12	11/20/12	11/21/12	11/26/12

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Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
26	E	Draft Proposed Plan to BCT only	10/26/12	11/26/12		11/21/12	11/27/12	11/29/12	11/27/12
Documents Currently Under Review									
1	C	Draft Remedial Action Work Plan for RU-C2	10/10/12	11/27/12		11/29/12			
2	E	Draft Survey Unit Project Reports for Survey Units 246, 248, 249, and 300	10/11/12	11/12/12			11/13/12		
3	B	Replacement Pages for Final Remedial Action Completion Report for IR-7/18	10/12/12	n/a					
4	D-1	Final Work Package 105, Survey Units 253, 255, 262, 266, and 270	10/16/12	n/a					
5	E	Final, Final Status Survey Results, Former Building 529 Site	10/16/12	11/16/12					
6	D-1	Final Work Package 106, Survey Units 271, 279, 280, 281, and 282	10/17/12	n/a					
7	E	Final, Final Status Survey Results, Building 521	10/29/12	11/29/12					
8	D-1	Draft Survey Unit Project Reports for Survey Units 254, 265, 256, and 283	10/29/12	11/29/12					
9	E	Draft Final Status Survey Results at Former Building 520 Site	10/30/12	11/30/12			11/30/12		
10	E	Draft Survey Unit Project Reports for Survey Units 301, 306, 307, and 308	11/1/12	12/3/12			12/3/12		
11	C	Final Execution Plan	11/8/12	n/a					
12	C	Final Design Plan	11/8/12	n/a					

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HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

December 6, 2012

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
13	B	Final Remedial Action Work Plan	11/13/12	n/a					
14	C	Draft Remedial Action Work Plan for RU-C1, RU-C4, RU-C5, and Building 241 Area	11/16/12	1/9/13					
15	E	Draft Survey Unit Project Reports for Survey Units 305, 309, 310, and 311	11/16/12	12/17/12					
16	E-2	Final Record of Decision	11/26/12	n/a					
17	F	Draft Final Radiological Data Gaps Investigation Tech Memo #2a	11/30/12	12/30/12					
Documents For Upcoming Review (next 3 months)									
1	E-2	Draft Ship Shielding Rad RACR	12/3/12	30 days from submittal date	Date Tentative				
2	F	Final Data Gap Investigation Work Plan and SAP Addendum	12/10/12	n/a	Date Tentative				
3	B, D-1, G and UC-2	Final Soil Vapor Investigation Tech Memo	12/11/12	n/a	Date Tentative				
4	G	Final Remedial Action Work Plan	12/12/12	n/a	Date Tentative				
5	UC-1,2	Draft RACR	12/12/12	45 days from submittal date	Date Tentative				
6	E	Draft GWTS Report Addendum	12/20/12	30 days from submittal date	Date Tentative				

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HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

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Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
7	E	Draft Final Proposed Plan to BCT	12/24/12	1/11/13	Date Tentative				
8	C	Final RU-C2 Remedial Action Work Plan	1/7/13	n/a	Date Tentative				
9	D-1	Draft RAD RACR- North	1/8/13	30 days from submittal date	Date Tentative				
10	E-2	Draft RACR for PCB TCRA - Phase 2	1/8/13	45 days from submittal date	Date Tentative				
11	E-2	Final Technical Memorandum for Geotechnical Investigation	1/10/13	n/a	Date Tentative				
12	C	Final RA Work Plan for RU-C1, RU-C5, and Building 241 Area	1/14/13	n/a	Date Tentative				
13	E	Draft NAPL Treatment Pilot Study Work Plan for IR Site 03	1/21/13	30 days from submittal date	Date Tentative				
14	F	Final RAD Data Gap Investigation Tech Memo #2a	1/25/13	n/a	Date Tentative				
15	E-2	Final Ship Shielding RACR	1/28/13	n/a	Date Tentative				
16	E-2	Quarterly Landfill Gas Monitoring Report - Fourth Quarter 2012	1/28/12	n/a	Date Tentative				
17	E	Draft Soil Characterization Tech Memo	1/29/13	30 days from submittal date	Date Tentative				

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HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

December 6, 2012

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
18	UC-1,2	Final Non-RAD RACR	2/4/13	Concurrence	Date Tentative				
19	UC-1,2	Final O&M Plan	2/19/13	n/a	Date Tentative				

CDPH	California Department of Public Health	RI	Remedial investigation
DTSC	Department of Toxic Substances Control	RTC	Response to comment
EPA	U.S. Environmental Protection Agency	SF	San Francisco
FOSL	Finding of suitability to lease	TCRA	Time critical removal action
FOST	Finding of suitability to transfer	TPH	Total petroleum hydrocarbon
FS	Feasibility study	Water Board	San Francisco Bay Regional Water Quality Control Board
FSS	Final Status Survey		
n/a	Not applicable		

ATTACHMENT C**HUNTERS POINT NAVAL SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS**

Item No.	Action Item	Person Authoring the Action Item	Due Date	Person/Agency Committing to Action Item	Resolution Status
New Action Items					
1	The Navy will update the BCT members concerning the document submittal schedule for the upcoming IR-03 work plan documents.	Navy		Navy	Ongoing
2	The Navy will revise the ROD document versions in the 2013 Community Involvement Plan Update.	Navy		Navy	Ongoing
Outstanding Action Items					
	No Outstanding Action Items				